DEPARTMENT OF NATURAL RESOURCES
AND CONSERVATION

BRIAN SCHWEITZER, GOVERNOR

1625 ELEVENTH AVENUE

STATE OF MONTANA

DIRECTOR'S OFFICE (406) 444-2074
TELEFAX NUMBER (406) 444-2684

PO BOX 201601
HELENA, MONTANA 59620-1601

December 30, 2008

RECEIVED

JAN 02 2009

Ravalli County Commissioners

Carlotta Grandstaff
Ravalli County
Hamilton, MT 59840

Dear Carlotta:

The DNRC Renewable Resource Grant and Loan Program (RRGL) received 92 applications for grant funding this grant cycle. After an extensive review and ranking process, 89 projects were recommended for funding. Currently, the department estimates that the funding line is at project number 52. I have attached the report that describes how your project was ranked and the ranking list. The full report of the ranking can be found on DNRC/CARDD website at http://www.dnrc.mt.gov/cardd/default.asp .

The Legislature ultimately decides the ranking and funding of projects. This year, because of the large number of projects and the Long Range Planning Committee's time constraints, Legislative Staff has determined there will be a different format for legislative hearings. This year, only those projects below our funding line and 5 above the funding line will be asked to provide testimony. Although time is limited, testimony an excellent venue for you to present your project to the committee and state why you believe your project should be funded.

Projects ranked above our estimated funding line have not been scheduled for a hearing but have an opportunity to provide testimony at the end of Tuesday, January 15 and Friday, January 16 hearings, beginning at about 11:15 a.m. There is only about a half an hour available, so it is recommended that testimony be brief.

If your project is scheduled, please arrive at least ½ hour early. Sometimes hearings are moved up on the schedule if other projects do not take as long as planned. Only 10 minutes are allotted for testimony and questions for each project, so please try to be brief.

I have enclosed the current RRGL schedule of the legislative hearings. The hearings on the 15th and 16th will be for projects that applied to both the RRGL and TSEP programs and will be held jointly.

The joint hearings will begin on January 15 and the RRGL program will finish up their hearings on January 20. Hearings will be held in Room 350 of the Capitol.

If you have any questions or if we can be of further assistance, do not hesitate to call (406) 444-6839.

Respectfully

Pam Smith
Program Specialist, DNRC/CARDD

Enc.

Cc: File
Laura Hendrix, CFM

Renewable Resource Grant and Loan Program
2009 LEGISLATIVE HEARING SCHEDULE

Hearing Time	Applicant/Project Type	RRGL Rank	TSEP Rank	Page Number	Funding Request	Recommended Funding
BREAK						
10:15	**Ennis, Town of** Water System Improvements	60		177	$100,000	$100,000
10:25	**Sweet Grass County** Yellowstone Greycliff Study	54		161	$80,000	$80,000
10:35	**Homestead Acres County W&S District** Water System Improvements	68		198	$100,000	$100,000
10:45	**Greenacres County Water & Sewer Distict** Water System Improvements	71		206	$100,000	$100,000
10:55	**Sweet Grass County W&S District** Water System Improvements	84		241	$100,000	$100,000
11:05	**Laurel, City of** Water System Improvements	61		179	$100,000	$100,000
11:15	**Open time for testimony**					
January 20, 2009						
8:00	**Buffalo Rapids Project District II** Increasing Pump Discharge Line Efficiency Phase II	83			$100,000	$100,000
8:10	**Buffalo Rapids Project District I** Conversion of laterals 2.9/7.6 to Pipeline	76			$100,000	$100,000
8:20	**Richland County CD** Lower Yellowstone GW Reservation	87			$100,000	$100,000
8:30	**Daly Ditches Irrigation District** Hedge Canal Diversion Dam Replacement	78			$100,000	$100,000
8:40	**Fort Shaw Irrigation District** Water Quality and Quantity	79			$100,000	$100,000
8:50	**East Bench Irrigation District** EBID Sweetwater Seepage Area Canal Lining	80			$100,000	$100,000
9:00	**Virginia City, Town of** Wastewater Improvements	48			$100,000	$100,000
9:10	**Manhattan, Town of** Water System Improvements	74			$100,000	$100,000
9:20	**Helena Valley Irrigation District** HVID Canal Lining Project	49			$100,000	$100,000
9:30	**Cut Bank, City of** Water System Improvements	55			$100,000	$100,000
9:40	**Greenfields Irrigation District** Pishkun Enlargement Study	0			$100,000	$100,000
9:50	**Garfield County CD** Mosby Musselshell Water Storage Project	0			$100,000	$100,000
10:00	**Malta Irrigation District** Proposal to change scope from 2007 project				$100,000	$100,000
BREAK						
10:15	**HB6 Irrigation Funding Programs**					
10:30	**HB6 Irrigation Study Results**					
10:45	**HB8 Intro**					
10:55	**HB8 Mill Creek Irrigation District**					
11:05	**HB8 DNRC/WRD Ruby Dam**					
11:15	**Open time for testimony - HB 6 and HB8**					

Renewable Resource Grant and Loan Program
2009 LEGISLATIVE HEARING SCHEDULE

Hearing Time	Applicant/Project Type	RRGL Rank	TSEP Rank	Page Number	Funding Request	Recommended Funding
January 15, 2009						
10:15	**Pam Smith** **Renewable Resource Grant and Loan Program - Introductions**					
10:25	**Greater Woods Bay Sewer District** Wastewater Improvements	47	62	143	$100,000	$100,000
10:35	**Em-Kayan Co. W&S District** Water Improvements	38	63	119	$100,000	$100,000
10:45	**Granite County** Solid Waste and Wastewater Improvements	65	28	190	$100,000	$100,000
10:55	**Valier, Town of** Water Improvements	52	33	156	$100,000	$100,000
11:05	**Ronan, City of** Water Improvements	89	38	254	$100,000	$100,000
11:15	**Harlowton, Town of** Water Improvements	66	43	193	$100,000	$100,000
11:25	**Open time for testimony**					
January 16, 2009						
8:00	**Renewable Resource Grant and Loan Program - Overview**					
9:00	**Shelby, City of** Wastewater Improvements	82	47	235	$100,000	$100,000
9:10	**Eureka, Town of** Water Improvements	73	49	211	$100,000	$100,000
9:20	**Troy, City of** Water Improvements	63	49	186	$100,000	$100,000
9:30	**Fallon Co. North Baker W&S District** Wastewater Improvements	51	51	153	$100,000	$100,000
9:40	**Gore Hill Co. Water District** Water Improvements	85	54	244	$100,000	$100,000
9:50	**South Chester County Water District** Water Improvements	69	55	201	$100,000	$100,000
BREAK						
10:15	**Livingston, City of** Solid Waste Improvements	72	56	209	$100,000	$100,000
10:25	**Fort Smith W&S District** Water Improvements	62	60	182	$100,000	$100,000
10:35	**Jette Meadows W&S District** Water Improvements	67	61	196	$100,000	$100,000
10:45	**Stevensville, Town of** Water Improvements	75	64	216	$100,000	$100,000
10:55	**Bridger Pines Co. W&S District** Wastewater Improvements	59	65	174	$100,000	$100,000
11:15	**Open time for testimony**					
January 19, 2009						
8:00	**Flathead Joint Board of Control** FJBC Jocko K Canal Lining	53		158	$100,000	$100,000
8:10	**Confederated Salish and Kootenai Tribe** Upper Jocko S Canal Lining	56		166	$100,000	$100,000
8:20	**St Ignatius, Town of** Water System Improvements	57		169	$100,000	$100,000
8:30	**Flathead Basin Commission** Mapping the Impacts of Septic Systems	77		222	$100,000	$100,000
8:40	**Missoula County- Lewis and Clark Subdivision RSID** Water System Improvements	58		171	$100,000	$100,000
8:50	**Bigfork W&S District** Wastewater Improvements	70		204	$100,000	$100,000
9:00	**Whitefish, County W&S District** Study of Septic Leachate to Littoral Areas Whitefish Lake	86		247	$70,000	$70,000
9:10	**MSU Montana Watercourse** Watershed Education for Real Estate Agents	81		233	$19,333	$19,333
9:20	**MSU Montana Water Center** Decisionmaker's Guide to Montana's Water	88		251	$99,462	$99,462
9:30	**City of Missoula** Fort Missoula/Bitterroot River Bank Stabilization Design	0		258	$79,310	$79,310
9:40	**Flathead County** Flathead Regional Wastewater Management Group	50		150	$89,993	$89,993
9:50	**DNRC Water Resources Division** Nevada Creek Canal Design and Construction	64		188	$100,000	$100,000

Project No. 32

Applicant Name	Ravalli, County of
Project Name	Water Resource Protection and Flood Hazard Identification Using LiDAR Mapping Technology for Ravalli County, Phase 2
Amount Requested	$ 100,000 Grant
Other Funding Sources	$ 14,526 Applicant
Total Project Cost	$ 114,526
Amount Recommended	$ 100,000 Grant

Project Abstract (Prepared and submitted by applicant)

Ravalli County makes up the majority of the Bitterroot River watershed and is consistently one of the five fastest growing counties in Montana with 10.7% growth from 2000 to 2005. Flood hazard identification and water resource protection planning efforts rely on archaic elevation data consisting of 20-foot to 40-foot contours from U.S. Geological Survey maps available only in paper format. This introduces a costly margin of error in any project requiring ground elevations. In short, Ravalli County citizens, planners, and local decision makers are attempting to deal with rapid growth using inadequate data.

LiDAR mapping is widely accepted as the most efficient and cost-effective means of acquiring digital elevation and terrain data. With impressive accuracy, LiDAR mapping has become the standard for topographic mapping nationwide. Ravalli County has been successful in efforts to protect and conserve water resources and is administering an RRGL grant for LiDAR mapping in the northern portion of the Bitterroot Valley. This second phase of LiDAR mapping must be completed to continue the identification of flood-prone areas. Appropriate steps can then be taken to ensure that the growing population is reasonably safe from flooding. In addition, the two-foot contour data could assist the county in establishing riparian setbacks and buffers to protect precious water resources.

Accurate LiDAR data will not only provide valuable topographic detail to support a variety of land use planning, policy, and regulatory decisions but also will greatly enhance the well-being of Montanans through local management activities that will protect and conserve valuable water resources, open land, fish and wildlife habitats, preserve water quality and quantity, and reduce erosion. The data will be an essential planning tool during this time of rapid change and growth, as well as into the future.

Technical Assessment

Project Background

Ravalli County makes up the majority of the Bitterroot River watershed and has experienced a 10.7% population growth from 2000 to 2005. Increased growth highlights a need to protect the county's water resources. To support the fair administration of county planning and permitting, accurate elevation and floodplain data are needed. Flood hazard identification and water resource protection planning efforts in the Bitterroot Valley rely on topographic maps with 20- to 40-foot contours. This interval can be cause for subjectiveness involving decisions for floodplain delineations, steep slopes, zoning regulations, and subdivision and sanitation compliance review. Ravalli County proposes using Light Detection and Ranging (LiDAR) technology to obtain digitally formatted two-foot elevation contour interval data. The acquisition of LiDAR data is less expensive than traditional ground surveying and requires less investment and better accuracy than radar mapping. LiDAR data would create an accurate, scientifically defensible watershed map which would enhance subdivision review, groundwater monitoring, wastewater and floodplain permitting, land use planning designations, sensitive area designation, and riparian

corridor setbacks for high-value structures. This project is the second of three phases to map key areas of the Bitterroot Valley in Ravalli County using LiDAR technology.

Technical Approach

LiDAR technology was selected as the preferred alternative to obtain accurate elevation data based on its accuracy, ease of implementation, relative cost, and its ability to provide valuable data. LiDAR technology mapping is a relatively new technology in topographic data collection that uses a "shot-gun pattern" of laser transmissions from an aircraft. Laser pulses are sent from the aircraft at rates up to 150,000 pulses per second and recorded as the pulses are reflected off the earth. This technology allows for rapid capture of precise bare earth topography in heavily forested terrain. In addition to bare earth topography, it also detects and records the presence and elevation of treetops, powerlines, shrubs, buildings, and even grasses. Large areas of dense vegetation can be mapped with extreme accuracy for relatively little cost. The topographic data are stored in digital format and would be used to develop watershed maps of Ravalli County and to support resource planning decisions.

Other alternatives considered included use of ground survey radar mapping techniques. Ground survey techniques are labor intensive and, given the size of the project area, are more costly and infeasible. Radar mapping, using radar microwave transmission from aircraft would only be capable of providing five- foot contour intervals at reduced horizontal and vertical accuracy. Radar technology does not work well in areas of dense vegetation along riparian corridors and forest cover. LiDAR technology was chosen because it is more cost effective and can provide the detail needed to produce accurate two-foot contour interval maps.

This project is submitted as a stand-alone project, but is Phase 2 of a proposed three-phase project. Phase 1, funded by RRGL, covered 185 square miles of the county. Phase 3 will cover the remaining area. The proposed project area includes 156 square miles of Ravalli County, from Victor to the Grantsdale community immediately south of Hamilton. Ravalli County has adopted floodplain maps for the main stem, East Fork, and West Fork of the Bitterroot River. The floodplains of the tributary creeks and streams are not mapped. As a result, the county is unable to regulate development in these areas.

This project would be accomplished through the county contracting with a qualified LiDAR expert. The project is slated to begin in July 2009 and would be ready for delivery in December 2009. The selected contractor would provide all required goods and services to deliver a final digital product in a format compatible with the county's geographic information system (GIS). Final elevation contour data would be incorporated as a base map into the FEMA Floodplain Map Modernization Program scheduled for Ravalli County. The data would be available to county planners, Streamside Setback Committee members, and other organizations managing water resources.

Specific tasks to be accomplished:

- Contractor selection;
- LiDAR survey; and
- Data delivery.

Project Management

The project management team is the same team responsible for successful implementation of the 2006 RRGL grant for the Phase 1 LiDAR mapping program. The team consists of a floodplain administrator responsible for grant administration and overall project management, a GIS director for technical guidance, and a planning director responsible for project review. The staff is adequate and experienced. The project management plan identifies duties for each member of the management team. The team has adequately prepared the project for implementation in July

2009. The project would be coordinated with the following state and federal agencies to ensure that data obtained from this project would be available for incorporation elsewhere:

- Montana DNRC's Floodplain and Dam Safety programs;
- Federal Emergency Management (FEMA) Floodplain Map Modernization Program; and
- Montana Natural Heritage Program's mapping of riparian areas and wetlands.

Ravalli County would continue to notify the public of the status of the LiDAR mapping project and conduct
public meetings in the course of arriving at and implementing land use planning decisions.

Financial Assessment

Budget Item	RRGL Grant	RRGL Loan	Match	Total
Administration	$0	$0	$5,962	$5,962
Professional & Technical	$100,000	$0	$8,564	$108,564
Construction	$0	$0	$0	$0
Total	$100,000	$0	$14,526	$114,526

The project would use 100% of the grant funding for professional and technical services in collecting and composing LiDAR-generated topographic information for 156 square miles. No construction costs are associated with this project. Completion of this project would result in no increase in operations and maintenance costs. Administrative costs for this project would be covered by in-kind matches from Ravalli County.

The cost of professional and technical services for LiDAR mapping is based on proposals prepared for Ravalli County, and appear reasonable and adequate given the scope of the project. Proportionally small amounts of matching funds are required to complete the proposed project. The county successfully managed a similar budget during Phase 1 of this mapping project. LiDAR costs approximately $695 per square mile, including administrative costs. The estimated costs for alternatives considered ranged from $70 per square mile using radar mapping to $50,000 per square mile using ground surveys. Radar mapping was not selected because it is less accurate than LiDAR and requires a substantial investment from the county to process generated data into an accessible format.

Benefit Assessment

The data collected in this project would comprise an accurate topographic map of the project area and elevation contour data would be available to interested parties. The comprehensive and accurate topographic information produced from this project would be a useful tool for managing development in Ravalli County and protecting the Bitterroot watershed and its ecosystem. Primary benefits of this project include accurately locating floodplains, identifying vulnerable water resources, and providing environmental protection for the Bitterroot River and its tributaries. These primary benefits would aid the county in enforcing natural resource management decisions in support of floodplain, subdivision and sanitation regulations, and local zoning ordinances. These regulations and ordinances are intended to support water quality enhancement through shoreline buffer and steep slope development restrictions. The project would supply the county with accurate, quantifiable, and defensible baseline data to enforce regulations and therefore protect and enhance the natural water resource of the region through management practices.

The benefits associated with this project are not numerically quantified in the application. Other than an accurate topographic map, the benefits to citizens and natural resources from this project are intangible and would be realized only through development of tools and prudent management decisions based on accurate data.

LiDAR appears to be sound technology and would provide crucial data for planners and decision makers in Ravalli County. This project is a good first step, but by itself would do nothing to

improve water resources in the Bitterroot Valley. The implementation of tools and resources that use LiDAR data from this project is cornerstone to benefiting the water resources of the Bitterroot Valley and its inhabitants.

Environmental Evaluation

No adverse environmental impacts would result from completion of this project. Potential environmental benefits resulting from implementing data collected in this project include:

- Identifying and protecting important riparian and environmentally sensitive areas;
- Improving fire fuel hazard mapping to assist in identifying and mitigating wild land fire hazards;
- Providing critical data to improve floodplain hazard mapping to protect floodplains and determine flood risks;
- Providing data for planning efforts to protect and improve surface water quality and decrease the negative impacts of storm water runoff;
- Providing vegetation mapping to update and protect wetlands and designate riparian buffer zones to improve and protect aquatic habitat and terrestrial wildlife species;
- Improving water quality in the Bitterroot Valley through maintenance of intact floodplains that provide important groundwater filtration and recharge;
- Providing topographic data beneficial to the planning and construction of developments in suitable areas and capital improvement plans;
- Providing the county with critical data related to planning, ordinance enforcement, subdivision approval, zoning conformance, sanitation permits, and environmental protection; and
- Providing important information for landowners, developers, contractors, and municipalities in regard to location, design, and construction of on-site wastewater treatment systems and in identifying surface water drainage patterns.

Funding Recommendation

The DNRC recommends grant funding of $100,000 upon development and approval of the final scope of work, administration, budget, and funding package.

12/29/2008

2008 Ranked Grant Applications by Order of Ranking Recommedation

Ranked Order	Applicant	Project Name	Grant Amount	Cumulative	Loan Amount	Type
1	Dutton, Town of	Dutton WW System Improvements	100,000	100,000		WW
2	Philipsburg, Town of	Philipsburg WW System Improvments	100,000	200,000		WW
3	Upper Lower River Road WSD	Upper Lower River Road Phase 3 Water and Wastewater System Im	100,000	300,000		W/WW
4	Fork Peck Tribes	Fort Peck Tribes lateral L-56 Rehab Project	100,000	400,000		IR
5	Bitter Root Irrigation District	Bitter Root Irrigation District Siphon 1:Phase 1	100,000	500,000	473,000	IR
6	Milk River Irrigation Project	Milk River system-wide GeoIrrigaton Mapping Project	65,004	565,004		WM
7	Big Sandy, Town of	Big Sandy WW Improvement Project	100,000	665,004		WW
8	Beaverhead CD	Big Hole Spring Creek Kalsta Spring Creek WQ Enhancement	97,485	762,489		WM
9	DNRC- Water Resources Div	Ruby Dam Rehabilitation Project	100,000	862,489	2,000,000	DAM
10	Nashua, Town of	Nashua Water System Improvements	100,000	962,489		W
11	Hysham ID	Pump Station Electrical Improvements Project	100,000	1,062,489		IR
12	Yellowstone County	West Billings Flood control and Groundwater Recharge Study	100,000	1,162,489		WM
13	Clinton Irrigation District	Main Canal Rehabilitation Project	99,610	1,262,099		IR
14	Hardin, City of	Hardin WW System Improvements	100,000	1,362,099		WW
15	Lewistown, City of	Lewistown WW System Improvements	100,000	1,462,099		WW
16	Winifred, Town of	Winifred WW System Improvements	100,000	1,562,099		WW
17	Gildford County WSD	Gildford WW System Improvements	100,000	1,662,099		WW
18	Melstone, Town of	Melstone Water System Improvements	100,000	1,762,099		W
19	Hysham ID	SDSS Flow Monitoring/Data Transfer Project	100,000	1,862,099		IR
20	Choteau, City of	Choteau WW System Improvements	100,000	1,962,099		WW
21	Wolf Creek County WSD	Wolf Creek WW System Improvements	100,000	2,062,099		WW
22	Lower Musselshell CD	Lost Horse Creek Siphon Pipeline Rehabilitation	100,000	2,162,099		IR
23	Whitefish, City of	Whitefish WW System Improvements	100,000	2,262,099		WW
24	Gardiner-Park County WSD	Gardiner WW System Improvements	100,000	2,362,099		WW
25	DNRC- Water Resources Div	Twodot Canal Rehabilitation Project	100,000	2,462,099		IR
26	Cascade, Town of	Cascade Water System Improvements	100,000	2,562,099		W
27	Sweet Grass County CD	Post-Kellogg Diversion Structure Infrastructure Rehabilitation	100,000	2,662,099		IR
28	Wibaux, Town of	Wibaux WW System Improvements	100,000	2,762,099		WW
29	Ravalli County Environmental Health	Bitterroot Valley Septic Systems Impact Evaluation Model	100,000	2,862,099		WM
30	Bynum Teton County WSD	Bynum Water System Improvements	100,000	2,962,099		W
31	Lake County	Lake County LiDAR Mapping Project	100,000	3,062,099		WM
32	Ravalli County	Ravailli County Phase II LiDAR Mapping	100,000	3,162,099		WM
33	Judith Gap, Town of	Judith Gap Water and WW System Improvements	100,000	3,262,099		W/WW
34	Crow Tribe of Indians	Crow Agency WW System Improvments Phase IIIA	100,000	3,362,099		WW
35	Stevensville, Town of	Stevensville WW Improvements Project	100,000	3,462,099		WW
36	Flathead County	Bigfork Stormwater System Improvements	100,000	3,562,099		SS
37	Kevin, Town of	Kevin Water System Improvements	100,000	3,662,099		W
38	Em-Kayan Village WSD	Em-Kayan Village Water System Improvements	100,000	3,762,099		W
39	Broadview, Town of	Broadview Water System Improvements	100,000	3,862,099		W
40	DNRC- Water Resources Div	Deadman's Basin Terminal Outlet Replacement Project	100,000	3,962,099	400,000	DAM
41	Big Horn CD	Water Reservations Efficiencies	33,706	3,995,805		WM
42	DNRC- Water Resources Div	Martinsdale Reservoir Dam Drain Project	100,000	4,095,805		DAM
43	Loma County WSD	Loma Water System Improvements	100,000	4,195,805		W
44	Woods Bay Homesites WSD	Woods Bay WW System Improvements	100,000	4,295,805		WW
45	Sheaver's Creek WSD	Sheaver's Creek WW System Improvements	100,000	4,395,805		WW
46	Bozeman, City of	Hyalite Creek Source Water Protection Barrier Project	100,000	4,495,805		WM
47	Greater Woods Bay Sewer District	Greater Woods Bay WW System Improvements	100,000	4,595,805		WW
48	Virginia City, Town of	Virginia City WW System Improvements	100,000	4,695,805		WW
49	Helena Valley ID	HVID Main Canal Lining Project	100,000	4,795,805		IR
50	Flathead County	Flathead Regional Wastewater Management Group	89,993	4,885,798		WM
51	North Baker WSD	North Baker WW System Improvements	100,000	4,985,798		WW
52	Valier, Town of	Valier Water System Improvements	100,000	5,085,798		W
53	Flathead Joint Board of Control	FJBC Jocko K Canal Lining	100,000	5,185,798		IR
54	Sweet Grass County	Yellowstone Greycliff Study	80,000	5,265,798		WM
55	Cut Bank, City of	Cut Bank Water System Improvements	100,000	5,365,798		W
56	Confederated Salish and Kootenai T	Upper Jocko S Lining Project	100,000	5,465,798		IR
57	St. Ignatius, Town of	St. Ignatius Water System Improvements	100,000	5,565,798		W
58	Missoula County	Lewis and Clark Subdivision RSID Water System Improvements	100,000	5,665,798		W
59	Bridger Pines County WSD	Bridger Pines WW System Improvements	100,000	5,765,798		WW
60	Ennis, Town of	Ennis Water System Improvements	100,000	5,865,798		W
61	Laurel, City of	Laurel Water System Improvements	100,000	5,965,798		W
62	Fort Smith WSD	Fort Smith Water System Improvements	100,000	6,065,798		W
63	Troy, City of	Troy Water System Improvements	100,000	6,165,798		W
64	DNRC- Water Resources Div	Nevada Creek Canal Design and Construction Project	100,000	6,265,798		DAM
65	Granite County	Granite County Solid Waste Improvements	100,000	6,365,798		SW
66	Harlowton, City of	Harlowton Water System Improvements	100,000	6,465,798		W
67	Jette Meadows WSD	Jette Meadows Water System Improvements	100,000	6,565,798		W
68	Homestead Acres County WSD`	Homestead Acres Water System Improvements	100,000	6,665,798		W
69	South Chester Water District	South Chester Water System Improvements	100,000	6,765,798		W
70	Bigfork WSD	Bigfork WW System Improvements	100,000	6,865,798		WW
71	Greenacres County WSD	Greenacres Water System Improvements	100,000	6,965,798		W
72	Livingston, City of	Livingston Anaerobic Digester Improvements and Composting	100,000	7,065,798		SW
73	Eureka, Town of	Eureka Water System Improvments	100,000	7,165,798		W
74	Manhattan, Town of	Manhattan Water System Improvements	100,000	7,265,798		W
75	Stevensville, Town of	Stevensville Water System Improvements	100,000	7,365,798		W
76	Buffalo Rapids Project District II	Conversion of laterals 2.9/7.6 to Pipeline	100,000	7,465,798		IR
77	Flathead Basin Commission	Mapping the Impacts of Septic Systems:A Shallow GW Study	100,000	7,565,798		WM
78	Daly Ditches ID	Hedge Canal Diversion Dam Replacement	100,000	7,665,798		DAM
79	Fort Shaw Irrigation District	Water Quality and Quantity Improvement	100,000	7,765,798		IR
80	East Bench Irrigation District	EBID Sweetwater Seepage Area Canal Lining	100,000	7,865,798		IR
81	MSU Montana Watercourse	Watershed Education for Real Estate Agents	19,333	7,885,131		WM
82	Shelby, City of	Shelby WW System Improvements	100,000	7,985,131		WW
83	Buffalo Rapids Project District II	Increasing Pump Discharge Line Efficiency:Phase II	100,000	8,085,131		IR
84	Sweet Grass County WSD	Sweet Grass Water System Improvements	100,000	8,185,131		W
85	Gore Hill County Water District	Gore Hill Water System Improvements	100,000	8,285,131		W
86	Whitefish County WSD	Investigation of Septic Leachate to Littoral Areas of Whitefish Lake	70,000	8,355,131		WM
87	Richland County CD	Lower Yellowstone GW Reservation	100,000	8,455,131		WM
88	MSU Montana Water Center	Decisionmaker's Guide To Montana's Water	99,462	8,554,593		WM
89	Ronan, City of	Ronan Water System Improvements	100,000	8,654,593		W
	TOTAL		**8,654,593**		**2,873,000**	
	Projects below this line are not recommended for funding at this time					
	City of Missoula	Fort Missoula/Bitterroot River Bank Stabilization Design Project	79,310			WM
	Garfield County CD	Mosby Musselshell Watershed Group Water Storage Project	100,000			IR
	Greenfields Irrigation District	Pishkun Enlargement Study	100,000			IR
	W- Water	**SS- Stormsewer**				
	WW- Wastewater	**Dam-Dam**				
	W/WW-Water and Wastewater	**IR-Irrigation**				
	SW-Solid Waste	**WM- Water Management**				